

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16	gj same type same parameter	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 11:16
L2	83	ecma and (cli or clr)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 11:17
L3	52	ecma and (cli or clr) not microsoft.as.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 11:35
L4	32	ecma and (cli or clr) not microsoft.as. and (intermediate or neutral)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 11:18
L5	0	("2004/0064830").URPN.	USPAT	OR	OFF	2007/01/08 11:34
L6	0	bracha.in. and gj	USPAT	OR	OFF	2007/01/08 11:34
L7	13	ecma and (cli or clr) not microsoft.as. and (JAVA and "J#")	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 14:44
L8	0	codebricks	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 14:46
L9	8	attardi.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 14:47
L10	21	cisternino.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 14:48
L11	1	"re parser"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 14:49
L12	194	"reml"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 14:50
L13	2857	generat\$5 same cil	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 14:54
L14	12	generat\$5 same cil and (generic\$5 or parameteriz\$5 or shell or templat\$2) near3 (class or object)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 15:15
L15	3735	generat\$5 same (common or intermediate or cil) and (generic\$5 or parameteriz\$5 or shell or templat\$2 or "parametric polymorphism") near5 (class or object)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 15:19

EAST Search History

L16	0	(java and ".net" and "j#")	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 15:19
L17	2521	generat\$5 same (common or intermediate or cil) and (generic\$5 or parameteriz\$5 or shell or templat\$2 or "parametric polymorphism") near5 (class or object) and (java or ".net" or "j#")	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 15:20
L18	179	generat\$5 same (common or intermediate or cil) same (generic\$5 or parameteriz\$5 or shell or templat\$2 or "parametric polymorphism") near5 (class or object) and (java or ".net" or "j#")	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 15:20
L19	171	generat\$5 same (common or intermediate or cil) same (generic\$5 or parameteriz\$5 or shell or templat\$2 or "parametric polymorphism") near5 (class or object) and (java or ".net" or "j#") not microsoft.as.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 16:28
L20	12	(devillers and sylvain).in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 16:29
L21	4	(devillers and sylvain).in. and object and tree and generic	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 16:49
L22	3236778	"6760905".pn. nd (source or library or dll)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 16:50
L23	1	"6760905".pn. and (source or library or dll)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 16:58
L24	1	"6760905".pn. and (defin\$3 near3 parameter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 17:07
L25	1	"6760905".pn. and (queue or dictionary or stack or list)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 17:12
L26	1	"6760905".pn. and (edit\$3 or modify or modification or modify\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 17:17
L27	0	"6760905".pn. and (library or dll)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 17:20

EAST Search History

S1	0	Gadre.in. and "compiling source code using generic classees"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:37
S2	2	"source code interoperability" and "generic class"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:38
S3	23	"source code interoperability"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:40
S4	1354	"generic class"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:38
S5	204	"generic class" and (java or bytecode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:23
S6	115	"generic class" and (java or bytecode) and intermediate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:39
S7	184	"generic class" and (java or bytecode) and (intermediate or tree or "object model" or token\$7 or neutral\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:49
S8	2	S3 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:40
S9	22	"source code interoperability" and (tree or intermediate or "object model")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:41
S10	22	"source code interoperability" and (tree or intermediate or "object model") and (java or bytecode or net or ".net")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:42

EAST Search History

S11	84	"generic class" and (java or bytecode) and (intermediate or tree or "object model" or token\$7 or neutral\$3 or il or cil or msil) and (interop\$7 or "virtual object" or oopl or "multi source code" or obje)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:24
S12	82	S11 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 17:52
S13	10	(defin\$3 or definition) near3 "generic class" and (java or bytecode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 18:18
S14	12	(defin\$3 or definition) near3 "generic class" and framework	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 18:18
S15	6	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 18:24
S16	4	S13 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 18:26
S17	6	S14 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 18:26
S18	8	(compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) near2 "generic class" and (java or bytecode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 08:01
S19	9	("6018628").URPN.	USPAT	OR	OFF	2006/07/13 07:54
S20	0	(compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) near2 "template class" and generic and (java or bytecode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 08:01

EAST Search History

S21	0	(compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) near5 "template class" and generic and (java or bytecode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 08:01
S22	38	(compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) same ((generic or template) adj class) and (java or bytecode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 08:02
S23	30	S22 not S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 08:45
S24	12	("6032152" "5960197" "6151703" "5600838" "5901314" "6760905").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 08:46
S25	6	("6032152").URPN.	USPAT	OR	OFF	2006/07/13 08:49
S26	320	"generic object" and (java or bytecode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:23
S27	0	generic near2 (class or object or oo or template) and (java or bytecode) and (intermediate or tree or "object model" or token\$7 or neutral\$3 or il or cil or msil) and (interoper\$7 or "multi source code" or obje) and (compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) and paramter\$7 near3 (class or object or oo or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:27
S28	0	generic near5 (class or object or oo or template) and (java or bytecode) and (intermediate or tree or "object model" or token\$7 or neutral\$3 or il or cil or msil) and (compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) and paramter\$7 same (class or object or oo or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:28
S29	0	generic\$4 near5 (class or object or oo or template) and (java or bytecode) and (intermediate or tree or "object model" or token\$7 or neutral\$3 or il or cil or msil) and (compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) and paramter\$7 same (class or object or oo or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:28

EAST Search History

S30	12	generic\$4 and (class or object or oo or template) and (java or bytecode) and (intermediate or tree or "object model" or token\$7 or neutral\$3 or il or cil or msil) and (compil\$5 or transform\$5 or adapt\$3 or wrap\$4 or translat\$3) and paramter\$7 and (class or object or oo or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:35
S31	454	717/106.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 10:12
S32	448	717/108.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:35
S33	291	717/118.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:36
S34	534	717/136.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:36
S35	574	717/140.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:36
S36	294	717/143.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:36
S37	170	717/144.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:37
S38	268	717/146.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:37

EAST Search History

S39	83	717/147.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:38
S40	29	717/147.ccls. and generic\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:40
S41	59	717/147.ccls. and (generic\$4 or parameter\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:40
S42	15	717/147.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 09:41
S43	2	("6609248").URPN.	USPAT	OR	OFF	2006/07/13 09:50
S44	96	717/106.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 10:12
S45	69	717/106.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/13 10:13
S46	69	717/106.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il) and (class or object)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:14
S47	1	717/106.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:22
S48	3	717/106.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:25

EAST Search History

S49	7	717/108.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:38
S50	6	S49 not S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:25
S51	3	717/118.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 08:19
S52	2	717/136.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:44
S53	1	717/140.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:45
S54	1	717/143.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:45
S55	0	717/144.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:45
S56	2	717/146.ccls. and (generic\$4 or parameter\$7) and (framework or "frame work") and (pars\$3 or tree or intermediate or il or compil\$5) and (class or object) and (parameter near5 generic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:46

EAST Search History

S57	101429	"visual j#" pr	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 10:46
S58	15	".net" or "visual j#" or "visual j# .net"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 12:01
S59	1936	cil or smil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 12:00
S60	1177	cil or msil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 12:01
S61	158	(".net" or "visual j#" or "visual j# .net" or net) and (cil or msil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 12:02
S62	130	(".net" or "visual j#" or "visual j# .net" or net) and (cil or msil) not microsoft. as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 12:02
S63	787	((generic near3 class) or (templat\$3 near3 class)) and (parameter\$7 or declar\$5) same (intermediate or compil\$5 or il or tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 09:28
S64	39	((generic near3 class) or (templat\$3 near3 class)) and (parameter\$7 or declar\$5) same (intermediate or compil\$5 or il or cil or tree or (language near2 neutral) or "intermediate language" or common) and ("virtual machine" or "runtime engine") and ((type or generic) near2 class) and ((unconstrain\$3 or constructed) near3 (type or class)) and (instantiat\$3 near3 (value or argument or parameter or type))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 08:34

EAST Search History

S65	37	((generic near3 class) or (templat\$3 near3 class)) and (parameter\$7 or declar\$5) same (intermediate or compil\$5 or il or cil or tree or (language near2 neutral) or "intermediate language" or common) and ("virtual machine" or "runtime engine") and ((type or generic) near2 class) and ((unconstrain\$3 or constructed) near3 (type or class)) and (instantiat\$3 near3 (value or argument or parameter or type)) not microsoft.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 08:35
S66	36	("6063128").URPN.	USPAT	OR	OFF	2007/01/03 08:49
S67	34	("6063128").URPN. not microsoft.as.	USPAT	OR	OFF	2007/01/03 09:15
S68	1	"6760905".pn.	USPAT	OR	OFF	2007/01/03 09:15
S69	2	("6760905").URPN.	USPAT	OR	OFF	2007/01/03 09:15
S70	21	("5555415" "5632035" "5715460" "5724589" "5761502" "5822583" "5838918" "5864700" "6032152" "6138171" "6195794" "6275957" "6336139" "6405368" "6598225" "6601193" "6675228" "6760905" "6826761" "6829771" "6889373"). PN. OR ("7100167").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/03 09:21
S71	10759	(generat\$3 or creat\$3 or develop\$4 or pars\$3) near3 ("intermediate language" or li or cil or ((intermediate or common or neutral) near3 (language or code or object or tokens or nodes or tree)) or (pars\$3 near3 tree))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 09:25
S72	11785	(generat\$3 or creat\$3 or develop\$4 or pars\$3 or compil\$5) near3 ("intermediate language" or li or cil or ((intermediate or common or neutral) near3 (language or code or object or tokens or nodes or tree)) or (pars\$3 near3 tree))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 09:26
S73	6831	(generat\$3 or creat\$3 or develop\$4 or pars\$3 or compil\$5) near3 ("intermediate language" or li or cil or ((intermediate or common or neutral) near3 (language or code or object or tokens or nodes or tree)) or (pars\$3 near3 tree)) and (java or ".net" or "j#" or "virtual machine" or "runtime engine")	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 09:29

EAST Search History

S74	438	(generat\$3 or creat\$3 or develop\$4 or pars\$3 or compil\$5) near3 ("intermediate language" or li or cil or ((intermediate or common or neutral) near3 (language or code or object or tokens or nodes or tree)) or (pars\$3 near3 tree)) and (java or ".net" or "j#" or "virtual machine" or "runtime engine") and ((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 09:30
S75	157	(generat\$3 or creat\$3 or develop\$4 or pars\$3 or compil\$5) near3 ("intermediate language" or li or cil or ((intermediate or common or neutral) near3 (language or code or object or tokens or nodes or tree)) or (pars\$3 near3 tree)) and (java or ".net" or "j#" or "virtual machine" or "runtime engine") and ((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class)) and 717/???.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 09:31
S76	143	(generat\$3 or creat\$3 or develop\$4 or pars\$3 or compil\$5) near3 ("intermediate language" or li or cil or ((intermediate or common or neutral) near3 (language or code or object or tokens or nodes or tree)) or (pars\$3 near3 tree)) and (java or ".net" or "j#" or "virtual machine" or "runtime engine") and ((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class)) and 717/???.ccls. not microsoft.as.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 09:31
S77	117	(generat\$3 or creat\$3 or develop\$4 or pars\$3 or compil\$5) near3 ("intermediate language" or li or cil or ((intermediate or common or neutral) near3 (language or code or object or tokens or nodes or tree)) or (pars\$3 near3 tree)) and (java or ".net" or "j#" or "virtual machine" or "runtime engine") and ((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class)) and 717/???.ccls. not microsoft.as. and "source code"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 13:07

EAST Search History

S78	3450	((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class)) and (queue or dictionary or stack)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 13:08
S79	141249	((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class)) and (queue or dictionary or stack) (first and second) near3 source	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 13:09
S80	244	((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class)) and (queue or dictionary or stack) and (first and second) near3 source	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 13:09
S81	6	defin\$5 near3 (parameter or argument or value) same ((generic near3 class) or (templat\$3 near3 class) or (parameter\$7 near3 class) or (shell near3 class)) and (queue or dictionary or stack) and (first and second) near3 source	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 13:43
S82	1	"6760905".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 13:43
S83	2	("6760905").URPN.	USPAT	OR	OFF	2007/01/03 13:44
S84	21	("5555415" "5632035" "5715460" "5724589" "5761502" "5822583" "5838918" "5864700" "6032152" "6138171" "6195794" "6275957" "6336139" "6405368" "6598225" "6601193" "6675228" "6760905" "6826761" "6829771" "6889373").PN. OR ("7100167").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/03 13:45

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a **SPACE** between keywords.



Search

Stored data

Searching PAJ

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1 [HPC.NET - are CLI-based Virtual Machines Suitable for High Performanc](#)

Werner Vogels

November 2003 **Proceedings of the 2003 ACM/IEEE conference on Sup**
'03**Publisher:** IEEE Computer SocietyFull text available: [pdf\(163.35 KB\)](#)Additional Information: [full citation](#), [abst](#)

The Common Language Infrastructure is a new, standardized virtual machine that has become popular on several platforms. In this paper we review whether there is any future in the high-performance computing community, for example in the same application space as the Java-Grande Forum. We review the technique of benchmarking three implementations of the CLI and compare those with virtual machines.

2 [Object-oriented programming languages and systems \(OOP\): \[a\]C#: C# with code annotation mechanism](#)

Walter Cazzola, Antonio Cisternino, Diego Colombo

March 2005 **Proceedings of the 2005 ACM symposium on Applied com****Publisher:** ACM PressFull text available: [pdf\(133.51 KB\)](#)Additional Information: [full citation](#), [abst](#)

Reflective programming is becoming popular due to the increasing set of

provided by execution environments like JVM and CLR. With custom at introduced an extensible model of reflection for CLR: they can be used a decorations on element declarations. The same notion has been introduce extensible model proposed in both platforms limits annotations to class r paper we describe [a]C#,¹ an extension of the C# p ...


Keywords: .NET, C#, code annotation, reflection

3 Hide and show: using real compiler code for teaching

◆ Elizabeth White, Ranjan Sen, Nina Stewart

February 2005 **ACM SIGCSE Bulletin , Proceedings of the 36th SIGCS
symposium on Computer science education SIGCSE '05**
1

Publisher: ACM Press

Full text available:  [pdf\(283.96 KB\)](#) Additional Information: [full citation](#), [abst](#)
[index terms](#)

In this paper, we present a novel approach that enables students in gradu to examine and experiment with a real compiler without becoming overv complexity. The key to the idea is the use of a debugger directly on a cor compilation process. By providing instructions on breakpoints and varial student is only shown the relevant portions of the compiler; the rest is hi our strategy of using exercise sessions targeted t ...


Keywords: SSCLI, compilers, parsing

4 Poster Session: Using MPI with C\# and the common language infrastru

◆ Jeremiah Willcock, Andrew Lumsdaine, Arch Robison

November 2002 **Proceedings of the 2002 joint ACM-ISCOPE conferenc
JGI '02**

Publisher: ACM Press

Full text available:  [pdf\(24.44 KB\)](#) Additional Information: [full citation](#), [abst](#)
[index terms](#)

The Common Language Infrastructure (CLI) is a new virtual machine ar environment recently introduced by Microsoft® as part of the .NET initi

a standard bytecode format, and a set of libraries for programs to use. It is designed to be used with multiple programming languages, and allows cross-language interoperability. It also includes a provision for stack-allocated data structures (for performance), and the use of raw pointers for interfacing ...

Keywords: .NET, C#, common language infrastructure (CLI), message passing (MPI), parallel computing

5 Search-based software engineering: papers: Clustering the heap in multi-threads for improved garbage collection



Myra Cohen, Shiu Beng Kooi, Witawas Srisa-an

July 2006 **Proceedings of the 8th annual conference on Genetic and evolutionary computation GECCO '06**

Publisher: ACM Press

Full text available: [pdf\(339.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Garbage collection can be a performance bottleneck in large distributed, multi-processor applications. Applications may produce millions of objects during their lifetime and then invoke hundreds or thousands of threads. When using a single shared heap, the garbage collection phase occurs all threads must be stopped, essentially halting processing. Attempts to fix this bottleneck include creating a single heap per processor, however this may not scale to large thread intensive applications ...

Keywords: garbage collection, heap clustering, hill climbing, search based software engineering, virtual machines

6 The design, implementation, and evaluation of adaptive code unloading for resource-constrained devices



Lingli Zhang, Chandra Krintz

June 2005 **ACM Transactions on Architecture and Code Optimization**
2 Issue 2

Publisher: ACM Press

Full text available: [pdf\(814.17 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)


Java Virtual Machines (JVMs) for resource-constrained devices, e.g., handheld devices

phones, commonly employ interpretation for program translation. However, compilers are able to produce significantly better code quality, and, hence, use device resources more efficiently than interpreters, since compilers can consider large sections of code and exploit optimization opportunities. Moreover, compilation-based systems allow for code reuse by future invocations obviating the redundant work of interpretation.

Keywords: Code unloading, JIT, JVM, code-size reduction, resource-conscious compilation


- 7 Software engineering: achievements & challenges: domain-specific challenges in user interface construction: a challenge for software engineering-in-the-small
Judith Bishop
May 2006 **Proceeding of the 28th international conference on Software Engineering** '06

Publisher: ACM Press


Full text available:  [pdf\(140.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The popular view of software engineering focuses on managing teams of developers working on large systems. This paper addresses a different angle of software engineering: user interface development for re-use and portability. We consider how an essential part of many software products - the user interface - can be successfully engineered so that it can be used on multiple platforms and on multiple devices. Our research has identified the problem domain, and we have filled in some of the gaps.

Keywords: .NET, GUI library reuse, XAML, XUL, graphical user interfaces, mobile devices, platform independence, portability, reflection, tangible user interfaces

- 8 Technical correspondence: Requirements for a real-time .NET framework
 A. Zerzelidis, A. J. Wellings
February 2005 **ACM SIGPLAN Notices**, Volume 40 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(387.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)


The Microsoft .NET Framework is a comparatively new technology that has gained considerable momentum. Its user base and popularity is expanding. In addition, it provides a rich set of services for developing applications.

number of important traits, such as code portability and cross-language c these features that have attracted our attention into investigating the poss using .NET for architecture -neutral real-time systems. As a result, this p groundwork for implementing a real-time version ...


Keywords: .NET Framework, architecture-neutral real-time systems, co-programming language integration

- 9 Oil and Water? High Performance Garbage Collection in Java with MMTk
Stephen M. Blackburn, Perry Cheng, Kathryn S. McKinley
May 2004 **Proceedings of the 26th International Conference on Softwa**
ICSE '04


Publisher: IEEE Computer Society

Full text available:  [pdf\(183.10 KB\)](#) Additional Information: [full citation](#), [abst terms](#)

Increasingly popular languages such as Java and C# require efficient garbage collection. This paper presents the design, implementation, and evaluation of MMTk, a Memory Management Toolkit for and in Java. MMTk is an efficient, composable, extensible, and scalable framework for building garbage collectors. MMTk uses design patterns and a cooperative design to combine modularity and efficiency. The resulting system is easier to maintain, and has fewer defects than monolithic collectors. ...

- 10 CodeBricks: code fragments as building blocks
 Giuseppe Attardi, Antonio Cisternino, Andrew Kennedy
June 2003 **ACM SIGPLAN Notices , Proceedings of the 2003 ACM SIGPLAN**
on Partial evaluation and semantics-based program manipulation
Volume 38 Issue 10

Publisher: ACM Press

Full text available:  [pdf\(294.34 KB\)](#) Additional Information: [full citation](#), [abstracts](#), [index terms](#)

We present a framework for code generation that allows programs to manage code at the source level while the joining and splicing of execution occurs automatically at the intermediate code/VM level. The framework introduces Code to represent code fragments: methods/operators from this class are used to create a method from a class, producing its representation as an object of type Code. Code objects can be combined by partial application to other Code objects ...


Keywords: domain specific language, generative programming, metaprogramming, multistage programming, program generation, program transformation, r

11 Program and performance analysis: Investigating throughput degradation b
 application servers: a view from inside a virtual machine

Feng Xian, Witawas Srisa-an, Hong Jiang

August 2006 **Proceedings of the 4th international symposium on Principles of programming in Java PPPJ '06**


Publisher: ACM Press

Full text available:  [pdf\(1.65 MB\)](#) Additional Information: [full citation](#), [abstract index terms](#)

Application servers are gaining popularity as a way for businesses to conduct operations. Currently, the most adopted technologies for Application Servers and .NET. While strong emphasis has been placed on the performance of these servers, only a few research efforts have focused on the degradation. Specifically, investigating how they perform under stress and factors that affect throughput degradation behaviors. As a preliminary study, we conducted ...


Keywords: application servers, garbage collection, throughput

12 Adaptive code unloading for resource-constrained JVMs

 Lingli Zhang, Chandra Krintz

June 2004 **ACM SIGPLAN Notices , Proceedings of the 2004 ACM SIGPLAN conference on Languages, compilers, and tools for embedded systems '04, Volume 39 Issue 7**

Publisher: ACM Press

Full text available:  [pdf\(204.29 KB\)](#) Additional Information: [full citation](#), [abstract citations](#), [index terms](#)

Compile-only JVMs for resource-constrained embedded systems have the advantage of using device resources more efficiently than interpreter-only systems since they can generate significantly higher quality code and code can be stored and reused for future execution. However, this additional storage requirement for reuse of native code brings a significant memory overhead not imposed in interpreter-based systems. In this paper, we present a Virtual Machine (JVM) extension for adaptive code unloading ...

Keywords: JIT, JVM, code unloading, code-size reduction, resource-con

13 OOPSLA student research competition chair's welcome: Optimizing JIT-compiled subsystem for Rotor 2.0



Sophia Chilingarova

October 2006 **Companion to the 21st ACM SIGPLAN conference on Operating systems, languages, and applications OOPSLA**

Publisher: ACM Press

Full text available: [pdf\(184.57 KB\)](#) Additional Information: [full citation](#), [abstracts](#), [index terms](#)

The poster describes the design and implementation of the optimizing JIT-compiled subsystem for SSCLI (Rotor) 2.0 virtual machine. This presentation covers the subsystem, integration issues, and a fast algorithm for the 1st level code

Keywords: CIL, CLI, JIT-compilation, Rotor, SSCLI, optimization

14 Developing principles of GUI programming using views



Judith Bishop, Nigel Horspool

March 2004 **ACM SIGCSE Bulletin , Proceedings of the 35th SIGCSE symposium on Computer science education SIGCSE '04, '05**

Publisher: ACM Press


Full text available: [pdf\(262.89 KB\)](#) Additional Information: [full citation](#), [abstracts](#), [citations](#), [index terms](#)

This paper proposes that GUI development is as important as other aspects such as a sound understanding of control structures and object orientation. It has been paid to the programming structures for GUIs and certainly there are language principles to aid the programmer. We propose that principles of GUIs be extracted and learnt, and that they do enhance good programming practice. These have been implemented in our Views system which features...

Keywords: XML, event-based programming, graphical user interfaces, platform independence

- 15 Language and Implementation: Profile-driven code unloading for resource-**
Lingli Zhang, Chandra Krintz
June 2004 Proceedings of the 3rd international symposium on Principles
programming in Java PPPJ '04

Publisher: Trinity College Dublin

Full text available:  [pdf\(99.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#)


Java virtual machines (JVMs) have become increasingly popular for a wide range of applications on mobile and embedded devices. Most JVMs for servers and desktops use just-in-time compilation to achieve good performance. However, JVMs that use dynamic compilation have been shown to enable significant performance improvements. A disadvantage of dynamic compilation in resource-constrained environments is that it uses more memory and takes longer to interpret code than just-in-time compilation. In this paper, we address the problem of

- 16 Mobility and sociability: The iterative design and study of a large display for**
sociable spaces

Shahram Izadi, Geraldine Fitzpatrick, Tom Rodden, Harry Brignull, Yvonne Lindley

November 2005 Proceedings of the 2005 conference on Designing for Ubiquitous Computing DUX '05

Publisher: AIGA: American Institute of Graphic Arts

Full text available:  [pdf\(1.17 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#)

We explore the design opportunities presented by situating large interactive displays in the workplace, within shared and sociable spaces such as common areas, offices, and conferences, cafes, and hotel foyers. We seek to provide a better understanding of the design space by charting the iterative design of an interactive large display system, Dynamo. Dynamo has been designed to enable the sharing and exchange of digital media. We report on how the interactive design process


Keywords: human-computer interaction, interactive systems, large display computing, user experience, user interface design, user studies

- 17 Implementation of a prototype CAIS environment**

 **P Carr, R Stevenson, J Alea, J Berthold, G Croucher**

March 1987 ACM SIGAda Ada Letters, Volume VII Issue 2

Publisher: ACM Press

Full text available:  [pdf\(922.05 KB\)](#) Additional Information: [full citation](#), [abstract terms](#)


This paper describes a project to investigate the feasibility, performance CAIS compliant Ada Programming Support Environment. A working m environment was built, with a command language interpreter and a small the host environment have been imported and made to behave as native (number of tools have been ported from a parallel effort by a MITRE corp little difficulty. The prototype was built initially for correctness a ...

18 Language-independent aspect-oriented programming

 Donal Lafferty, Vinny Cahill

October 2003 **ACM SIGPLAN Notices , Proceedings of the 18th annual conference on Object-oriented programing, systems, lang applications OOPSLA '03, Volume 38 Issue 11**


Publisher: ACM Press

Full text available:  [pdf\(1.26 MB\)](#) Additional Information: [full citation](#), [abstract citings](#), [index terms](#)

The term aspect-oriented programming (AOP) has come to describe the mechanisms developed specifically to express crosscutting concerns. Some concerns cannot be properly modularized within object-oriented programs expressed as aspects and are composed, or woven, with traditionally encapsulated functionality referred to as components. Many AOP models exist, but they are typically coupled with a single language. To allow weaving of existing


Keywords: Weave.NET, aspect-oriented programming, common language language-independence

19 Application access control at network level

 Refik Molva, Erich Rüttsche

November 1994 **Proceedings of the 2nd ACM Conference on Computer communications security CCS '94**

Publisher: ACM Press

Full text available:  [pdf\(956.82 KB\)](#) Additional Information: [full citation](#), [abstract index terms](#)

This paper describes an access control mechanism that enforces at the network access control decision that is taken at the application level. The mechanism involves pre-computation of encrypted counters called tickets. An access enforcer checks the existence of a valid ticket in each packet that is subject to access control to reject unauthorized packets. Tickets are not computed as a function of the user's location due to timing constraints of shared media LANs t ...

20 Developing and integrating enterprise components and services: Overcoming extensibility challenges



Erik Meijer, Clemens Szyperski

October 2002 **Communications of the ACM**, Volume 45 Issue 10

Publisher: ACM Press

Full text available: pdf(108.72

KB) html

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